

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.  
134666-1

In Re Application Of: **Qi Zhao et al.**

Serial No.  
10/707,031

Filing Date  
11/17/2003

Examiner  
N/A

Group Art Unit  
N/A

Title: **ITERATIVE CT RECONSTRUCTION METHOD USING MULTI-MODAL EDGE INFORMATION**

Address to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
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**ITERATIVE CT RECONSTRUCTION METHOD USING MULTI-MODAL EDGE INFORMATION**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☐ The Director is hereby authorized to charge and credit Deposit Account No. \_\_\_\_\_ as described below.
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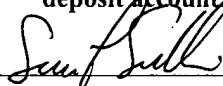
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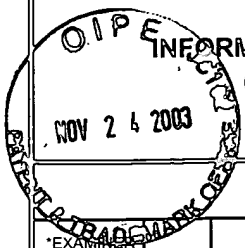


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Dated: November 11, 2003

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## INFORMATION DISCLOSURE CITATION

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ATTY DOCKET NO.

134666-1

SERIAL NO.

10/707,031

Qi Zhao

FILING

11/17/2003

GROUP

N/A

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	1	WO 02/067201 A1	29.08.2002	Europe			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	2	J. A. Browne, J. M. Boone, and T. J. Homes, "Maximum-likelihood x-ray computed-tomography finite-beamwidth considerations;" Applied Optics, Vol. 34, No. 23, August 10, 1995; pages 5199 - 5207.
	3	B. De Man, J. Nuyts, P. Dupont, G. Marchal, and P. Suetens, "An Iterative Maximum-Likelihood Polychromatic Algorithm for CT;" IEEE Transactions on Medical Imaging, Vol. 20, No. 10, October 2001; pages 999 - 1008.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



**10/707,031**

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## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

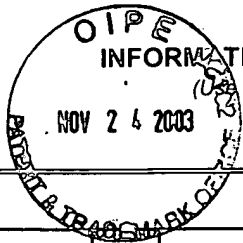
**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	6	I. A. Elbakri and J. A. Fessler; "Statistical Image Reconstruction for Polyenergetic X-Ray Computed Tomography;" IEEE Transactions on Medical Imaging, Vol. 21, No. 2, February 2002; pages 89 - 99.
	7	I. A. Elbakri and J. A. Fessler; "Segmentation-Free Statistical Image Reconstruction for Polyenergetic X-Ray Computed Tomography;" IEEE; 2002; pages 828 - 831.

**EXAMINER**

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FILING 11/17/2003	GROUP N/A	

**U.S. PATENT DOCUMENTS**

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**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	8	D.J. Heuscher and M. Vembar; "Reduced partial volume artifacts using spiral computed tomography and an integrating interpolator;" Assoc. Phys. Med, Med. Phys. 26 (2), February 1999; pages 276 - 286.
	9	Hee-Joung Kim, Barry R. Zeeberg, Richard C. Reba; "Grey and White Matter Spect Neuroimaging: Iterative Reconstruction Using a High Resolution Anatomical Image to Correct for 3-D Detector Response, Attenuation, and Scatter;" IEEE; 1993; pages 1002 - 1004

EXAMINER	DATE CONSIDERED
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